

BIT LINE LANDING PAD AND BORDERLESS CONTACT
ON BIT LINE STUD WITH LOCALIZED ETCH STOP LAYER FORMED IN VOID
REGION, AND MANUFACTURING METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

5 An etch-stop layer is selectively provided between layers of a multiple-layered circuit in a selective manner so as to allow for outgassing of impurities during subsequent fabrication processes. The etch-stop layer is formed over an underlying stud so as to serve as an alignment target during formation of an overlying stud formed in an upper layer. In this manner multiple-layered circuits, for example memory devices, can be fabricated in relatively dense configurations.

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